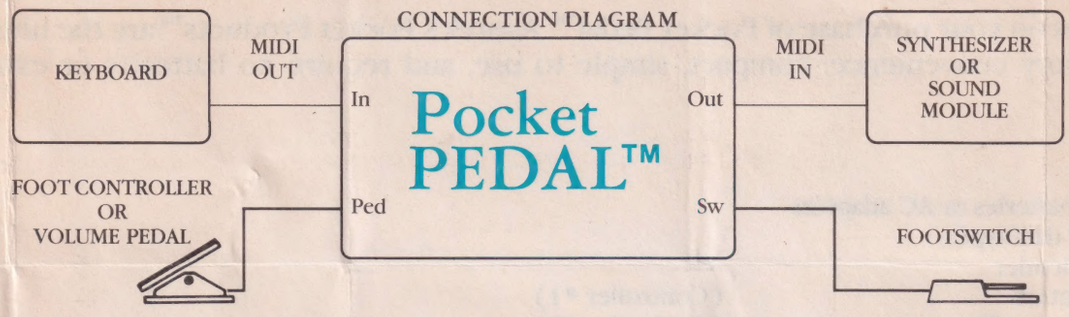
Pocket PEDAL™

OPERATING INSTRUCTIONS

Pocket PEDAL™ can be used with most foot controllers or volume pedals to generate and send various types of MIDI controller data at any point in a MIDI line. It can be used with any type of MIDI equipment and requires no batteries or external power supply to operate.

1. SENDING DATA ON MIDI CHANNEL 1 (default channel).

CONNECTION DIAGRAM



Turn all the white rocker switches to the off position

a) Connect the MIDI OUT of a keyboard or other MIDI device to the input jack labeled "In" of the Pocket PEDAL™.
b) Connect the output jack labeled "Out" of Pocket PEDAL™ to the MIDI IN of a synthesizer or sound module.

The red status light is normally on but will turn off when MIDI data is being sent through Pocket PEDAL™. Real time messages do not cause the status light to turn off.

c) Set the foot controller to the minimum position, then plug it into the jack labeled 'Ped". Pocket PEDAL™ will calibrate itself to the foot controller when it is moved through it's full range. Setting the foot controller to the maximum position before plugging it in will cause Pocket PEDAL™ to calibrate so that it responds in the opposite direction.
d) Connect a foot switch to the jack labeled "Sw" of Pocket PEDAL™.

Pocket PEDAL™ will now send MIDI controller data on MIDI channel 1 according to the types of data selected with the white rocker switches numbered 1 through 8. The following table summarizes.

SWITCH	DATA SENT	CONTROLLED BY	SWITCH	DATA SENT	CONTROLLED BY
1.	Volume	Foot Controller	5.	Sustain on/off	Foot Switch
2.	Pitch Bend	Foot Controller	6.	Sosten on/off	Foot Switch
3.	Modulation	Foot Controller	7.	Start/Stop	Foot Switch
4.	Portamento Time	Foot Controller	8.	Porta on/off	Foot Switch

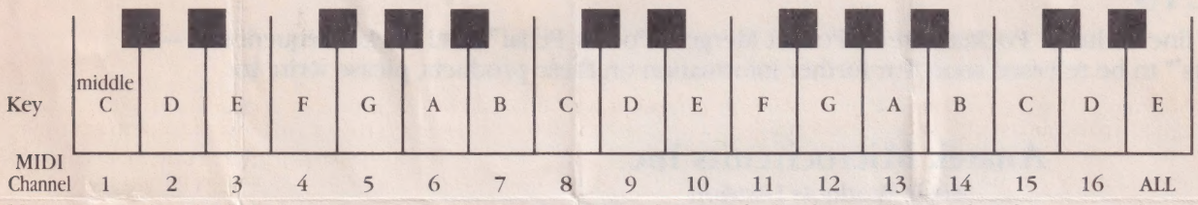
N.B. The Pitch Bend Function includes a special feature that allows the foot controller to bend the pitch over three ranges.

RANGE	PROGRAMMING
1. Full range	Place foot controller in mid postiion before turning on Pitch Bend (switch 2).
2. Low range	Controller fully forward before turning on Pitch Bend.
3. High range	Controller fully back before turning on Pitch Bend.

2. SENDING MIDI DATA ON SELECTED MIDI CHANNELS

a) Make the connections and perform the calibration procedure as described in part 1. (Calibration is only necessary if Pocket PEDAL™ or the controller have been unplugged)
b) Turn all white rocker switches ON. The status light will flash steadily indicating that channel set mode has been activated.
c) Turn off all white rocker switches.
d) Turn on white rocker switch corresponding to the type of data to be sent.
e) Select on what channel(s) the data is to be sent using the keychart below.
f) Press any key outside the keychart range to take the unit out of channel set mode.

KEY CHART



Note: Most Roland keyboards send an ALL NOTES OFF command whenever the last key is released; therefore, ensure that at least one key remains down while selecting more than one MIDI channel.

Controller data switches can be turned ON or OFF at any time. Channel settings are retained as long as MIDI is connected to the "IN" jack on Pocket PEDAL™ and the device to which it is connected remains ON. Disconnecting "IN" from MIDI, or plugging another Pocket PRODUCT™ into Pocket PEDAL's™ "OUT" will reset the channel settings to MIDI Channel 1.

3. CONNECTION WITH OTHER POCKET PRODUCTS™

It is recommended that the number of Pocket PRODUCTS™ connected to the output of a keyboard or other MIDI device be limited to four.

4. MIDI DATA ERRORS/RESETTING

Although Anatek's Pocket PRODUCTS™ are designed to handle large volumes of MIDI data, it is sometimes possible to cause a MIDI buffer overflow. If this occurs, the status light will turn off and remain off until Pocket PEDAL™ IS RESET. There are two ways to reset Pocket PEDAL™: 1) Remove the MIDI cable from the IN JACK ON Pocket PEDAL™, wait 5 seconds and reinsert the MIDI cable. 2) Turn off the MIDI device to which Pocket Pedal™ is connected, wait 5 seconds and turn the device back on.

SPECIFICATIONS

MIDI DATA TYPES — RECEIVED: All
TRANSMITTED: All
Active Sensing is always sent.

DIMENSIONS: Length: 3.2" (81mm), Width: 2.1" (53mm), Height: 1.2" (31mm)

WEIGHT: 2.5 oz (72 grams)

BAUD RATE: 31.25 Kbits/second

SPECIAL NOTE

Pocket PEDAL™ is designed to comply with the MIDI 1.0 specification document version 4.0 and will operate with all MIDI equipment designed to this specification.

Pocket Pedal™ Helpful Hints

Congratulations on your purchase of Pocket Pedal™. Anatek's Pocket Products™ are the ultimate in MIDI accessory convenience: compact, simple to use, and require no batteries or external power supply.

FEATURES

- Requires no batteries or AC adaptors
- Sends several data types:
  - — Pitch Bender
  - — Modulation (Controller #1)
  - — Portamento Time (Controller #5)
  - — MIDI Volume (Controller #7)
  - — Sustain Pedal (Controller #64)
  - — Portamento Pedal (Controller #65)
  - — Sostenuto Pedal (Controller #66)
  - — Sequencer START/STOP
- Sends data on one, several, or all 16 MIDI channels
- Use with standard foot controller/volume pedal and footswitch (sustain pedal)
- Adjusts to normally-open or normally-closed footswitches
- 3 mode pitch-bend range
- Works with all other Pocket Products™
- Fully microprocessor-controlled
- Compact and lightweight
- Can be used with Velcro or double-sided tape to attach Pocket Pedal™ to a Keyboard or other Pocket Products™

APPLICATIONS

- Guitar synths: control MIDI volume on 6 MIDI channels simultaneously or add modulation and sustain controls
- Remote START/STOP for drum machine or sequencer
- Add foot controllers to sound modules (Yamaha TX-7, etc.)
- Add modulation and pitch bender to a MIDI piano
- Reverbs & Multi-Effects Processors with assignable controllers: add real-time control over functions such as delay or reverb decay time
- Sostenuto: many MIDI pianos and sound modules accept sostenuto control. This allows a chord to be sustained with the footswitch while soloing a non-sustained sound on top
- Remote portamento control (portamento ON/OFF and portamento time)

OTHER PRODUCTS

Anatek's Pocket Product™ line includes: Pocket Filter™, Pocket Merge™, Pocket Pedal™, and Pocket Sequencer™ — with more Pocket Products™ to be released soon. For further information on these products, please write to:

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LIMITED WARRANTY

Anatek Microcircuits Inc. warrants this product to be free from manufacturer's defects for a period of ONE YEAR from the date of purchase. This warranty is void if the unit is opened or tampered with, if the unit is immersed in any liquid, or if the unit is connected to any device that does not meet standard MIDI specifications. Should the product prove to be defective within the warranty period, Anatek shall repair or replace the unit at our election and sole expense (with the exception of shipping, which Anatek will pay one way). Anatek makes no other warranties, express or implied, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. In no event shall Anatek be liable for loss of profits or benefits, indirect, special consequential or other similar damages arising out of any breach of this warranty or otherwise.